June 1989

Part 2

SUPPLEMENT TO LANDSCAPE MANAGEMENT

LANDSCAPE MANAGEMENT

POCKET GUIDE

to turfseed

For a varie

QUALITY PICKSEED® TURFGRASS PRODUCTS

Fiesta II
Perennial Ryegrass

This advance generation turf-type perennial ryegrass is setting new standards for quality, color, and performance. Its dark green color, fine leaf texture, and environmental tolerance gives you beautiful and functional results, while its high seed count stretches your grass seed dollar. Use Fiesta II straight or in Futura 2000 where it is blended with Blazer II and Dasher II perennial ryegrasses. A genetically superior combination for perennial turf in the North and overseeding in the South.

Banff
Kentucky Bluegrass

Banff is a vigorous dwarf variety that was discovered on the Banff Springs Golf Course in Alberta, Canada. There, Banff survived twenty years of continual heavy watering, repeated attacks from snow mold, and close mowing on a putting green. Just imagine what it could do for you. Banff establishes quickly and forms a disease resistant, cold tolerant, dark green turf.

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KENTUCKY BLUEGRASS

Since Touchdown's discovery by the late Tom Rewinsky on the National Golf Links of America on Long Island, this elite bluegrass has become the top choice of sod producers. Its aggressive growth habit and rapid establishment crowds out weeds and Poa annua while developing an even, dark green turf.

MUSTANG
TURF-TYPE TALL FESCUE

Mustang is the tall fescue that looks like bluegrass. Its finer texture, darker green color, and wear and drought tolerance have made it the choice for sports field, sod, park, and home lawn use. Mustang is available straight or in TEAM – a three-way turf-type tall fescue blend that also contains Maverick II and Thoroughbred.

Colt
POA TRIVIALIS

Colt is an Oregon produced variety that offers you domestic seed production benefits. It combines superior turf performance and turf quality with genetic adaptation to North American growing conditions. It is dark green, shade tolerant, disease resistant, and very winter hardy. Colt is a vigorous, low-growing variety that has excellent overseeding qualities.

VICTORY
CHEWINGS FESCUE

For the fourth consecutive year Victory was the highest rated commercially available chewings fescue in the national Fine Fescue Trials. Victory is a low growing, shade tolerant variety that has possibly the darkest green color of any other chewings fescue. It exhibits superior uniformity and disease resistance, too. If you like picking winners, pick Victory.

ty of reasons.

CROSSFIRE
TURF-TYPE TALL FESCUE

Crossfire turf-type tall fescue is the only strategy you need for battling a summer ambush of heat and drought. Crossfire is a lower and slower growing variety of tall fescue that exhibits a very dark green color. It combines improved heat and drought tolerance with outstanding turf quality to produce a dense and durable turf. Crossfire's high marks in overall performance during its initial evaluation proved it was ready for the field. Let Crossfire show you how to endure a long summer siege.

SPARTAN
HARD FESCUE

Spartan is a robust, advanced generation of hard fescue that is dark green, leafy, and persistant. It demonstrates excellent cold tolerance and creates attractive, low growing, low maintenance turf. Spartan mixes well with perennial ryegrass, Kentucky bluegrass, and other fine fescues. It is an outstanding component in many shady and low maintenance mixes suited for use on home lawns, parks, and golf course roughs.

AMERICA
KENTUCKY BLUEGRASS

America is a low maintenance Kentucky bluegrass that has a dense dwarf growth habit, dark green color, excellent disease resistance, and good shade tolerance. Perfect in mixes, America is ideal for golf course fairways, sod production, playing fields, and home lawns.

Pickseed also produces the following quality turfgrass varieties: Agram chewings fescue, Jasper creeping red fescue, Jazz perennial ryegrass, Alpine Kentucky bluegrass, Exeter colonial bentgrass, and National creeping bentgrass.

SHORTSTOP
TURF-TYPE TALL FESCUE

Shortstop is the little guy with big benefits. As its name implies, Shortstop is a slower and shorter growing variety of turf-type tall fescue. But don't let its stature fool you. Shortstop is plenty tough. It has heat and cold tolerance, disease resistance and is widely adapted. Shortstop forms a beautiful, dense, uniform turf of finer, darker green leaves.

BRONCO
Kentucky Bluegrass

Bronco is a very wide bladed Kentucky bluegrass that was developed specifically as a mix companion for turf-type tall fescue. While its texture and color gives it the appearance of a tall fescue, the comparison between the two ends there. Bronco is elite Kentucky bluegrass all the way. Its been bred to be less dense so it won't crowd out tall fescue and yet still aggressive enough to fill in and repair damaged areas quickly. That's what makes Bronco ideal for sports turf use.

Pickseed products are distributed throughout North America by quality seed suppliers.

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LANDSCAPE Guide MANAGEMENT

POCKET GUIDE TO SEED

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Compiled by the editors of Landscape Management from articles appearing in the magazine by leading agronomists from across the country.

MEET YOUR TALL FESCUE NEEDS WITH THE BEST

Lofts has three of the best-performing tall fescues available. Each one offers all the good looks and tough performance you need:

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*Limited quantities available Fall 1989. Commercially available Fall 1990.

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SECTION 1.

The information on subsequent pages, where identified, comes from results obtained by the National Turfgrass Evaluation Program (NTEP).

The NTEP is a self-supporting, non-profit program sponsored by the Beltsville Agricultural Research Center of the United States Department of Agriculture (USDA) and the Maryland Turfgrass Council.

The program will not make variety recommendations. However, the data from tests can be used by extension specialists and others in the turf industry for making recommendations.

Data is broken down by test location and specific variety. Remember that the quality ratings range from 1 to 9 with 9 a perfect turf.

To use the charts, first choose the test site closest to where you are planning to plant turfgrass. Compare the scores of the various varieties and select the one best suited to your area. Remember that no statistical difference is evident between scores with less than the LSD value's difference. In other words, if one variety scores 6.5 for your area and another scores 6.9 and the LSD value is 0.5, there is no apparent difference between the varieties; both would be equally suited to your area.

Executive director of the NTEP Policy Committee is Jack Murray. National Director is Kevin Morris. Policy Committee members are C. Reed Funk of Rutgers, Don White of the University of Minnesota, Milt Engelke of Texas A&M, Terry Riordan of the University of Nebraska and Mike Robinson of Seed Research of Oregon.

For additional information, write: Kevin Morris, NTEP, Beltsville Agricultural Research Center West, Building 001, Room 333, Beltsville, MD 20705.

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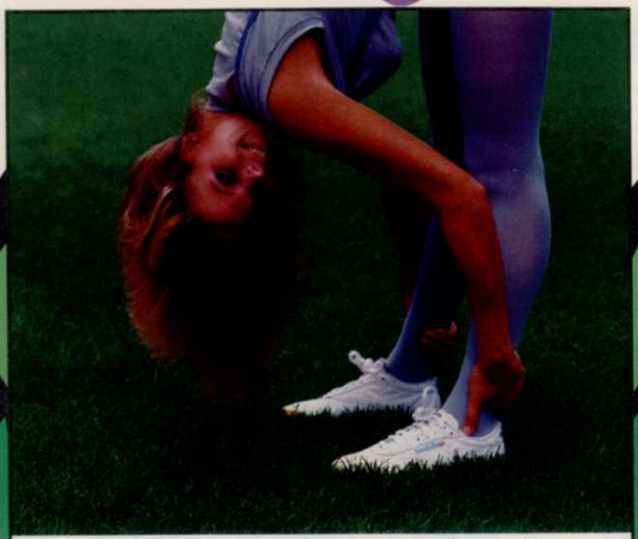

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Glade's flex-ability provides you a strong turf in bright sunshine or up to 60% shade. ***Widely accepted as the improved sun and shade bluegrass variety,*** Glade will perform beautifully in many sun and shade conditions which may be unsuitable for many other turf grasses. **Don't let growing trees and roofline shadows "break" your lawn. Insist on a flex-able mix . . . with Glade from your local wholesale seed distributor.**

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Kentucky bluegrass

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Part 1. 1988 DATA

MEAN TURGRASS RATINGS OF COMMERCIALLY-AVAILABLE TALL FESCUE VARIETIES

Variety	Fayetteville, AR-1	Tucson, AZ-1	Santa Clara, CA-1	Santa Ana, CA-2	Riverside, CA-3
Adventure	4.3	6.0	6.2	5.6	6.6
Amigo	4.9	6.3	6.9	6.0	6.4
Apache	5.1	5.8	6.3	5.6	6.4
Arid	5.6	5.4	6.1	5.9	6.3
Aztec	5.0	5.8	7.1	6.2	6.1
Barnone	4.6	5.2	6.5	5.7	6.3
Bonanza	5.0	5.6	7.0	5.8	6.5
Carefree	4.1	6.5	6.4	5.7	6.6
Chieftain	4.6	6.3	6.4	6.0	6.2
Cimarron	4.9	5.9	6.7	5.7	6.6
Eldorado	4.5	5.9	6.6	5.9	6.3
Emperor	4.3	5.4	6.8	6.2	6.1
Falcon	4.6	5.4	5.8	5.4	6.2
Finelawn I	4.9	5.4	6.4	5.2	6.1
Finelawn 5GL	4.7	5.0	6.4	5.8	6.5
Jaguar	4.5	5.4	6.3	5.9	6.3
Jaguar II	4.6	5.9	6.5	5.7	6.7
Ky-31	5.0	4.7	4.8	4.7	5.9
Legend	5.2	5.2	6.3	5.7	5.9
Mesa	5.1	6.5	6.6	6.0	6.2
Monarch	5.2	5.6	6.8	6.0	6.1
Murietta	3.8	5.1	7.1	6.3	6.1
Olympic	5.5	6.4	6.4	5.8	6.4
Pacer	4.9	5.2	5.6	5.3	6.0
Rebel	5.2	5.6	6.4	5.8	6.5
Rebel II	5.3	5.7	6.4	5.9	6.4
Richmond	4.3	5.5	6.1	5.6	6.2
Silverado	4.7	5.1	6.7	5.8	6.1
Sundance	4.8	5.9	6.1	6.0	6.3
Taurus	4.8	6.0	6.5	5.9	6.3
Thoroughbred	4.8	6.6	6.4	5.7	6.4
Tip	4.6	5.7	5.5	5.5	6.1
Titan	4.5	6.1	5.9	5.7	6.5
Trailblazer	4.1	5.3	6.8	5.9	6.4
Tribute	4.9	6.5	6.5	6.0	6.5
Trident	4.4	6.0	6.4	5.5	6.4
Willamette	5.0	5.8	5.5	5.4	6.1
Winchester	4.4	6.3	6.3	5.5	6.2
Wrangler	4.8	5.8	6.7	5.6	6.2
LSD value	0.7	1.0	0.5	0.5	0.4

Part 2. 1988 DATA

MEAN TURFGRASS RATINGS OF COMERCIALLY-AVAILABLE TALL FESCUE VARIETIES

Variety	Washington, DC-2	Urbana, IL-1	W. Lafayette, IN-1	Manhattan, KS-1	Sivler Spring, MD-1
Adventure	5.3	7.3	6.8	6.8	4.7
Amigo	4.1	7.5	6.4	7.2	5.0
Apache	4.2	7.7	6.7	7.2	4.7
Arid	4.8	6.7	6.6	6.6	4.7
Aztec	3.4	7.3	5.2	7.5	5.7
Barnone	5.7	7.0	6.6	7.0	4.7
Bonanza	5.6	7.8	6.9	6.9	5.3
Carefree	4.8	6.8	6.4	7.1	4.3
Chieftain	4.0	7.1	6.8	7.1	5.7
Cimarron	4.3	7.3	6.5	6.9	5.3
Eldorado	5.3	7.1	5.9	7.4	4.7
Emperor	2.6	6.5	5.8	7.1	5.0
Falcon	4.3	6.9	5.9	6.4	5.0
Finelawn I	5.7	6.9	6.6	6.2	5.3
Finelawn 5GL	6.0	7.0	6.8	6.5	4.7
Jaguar	4.8	7.7	6.9	6.8	5.0
Jagura II	4.2	7.3	6.3	6.7	5.3
Ky-31	6.0	6.2	6.0	5.2	5.0
Legend	3.9	6.8	6.7	7.0	5.0
Mesa	5.9	7.4	6.3	6.8	6.0
Monarch	3.9	7.3	6.7	7.2	5.0
Murietta	4.1	6.8	6.2	7.1	5.0
Olympic	5.2	7.6	7.1	6.9	4.3
Pacer	5.2	6.7	5.9	6.7	5.0
Rebel	5.9	6.9	6.3	6.6	5,0
Rebel II	5.9	7.2	6.8	6.8	5.7
Richmond	4.4	6.9	6.2	6.3	4.7
Silverado	3.7	6.6	5.4	7.3	4.3
Sundance	4.4	7.3	6.0	7.1	4.7
Taurus	3.8	7.3	6.0	6.9	5.7
Thoroughbred	6.1	7.1	7.2	6.8	4.7
Tip	4.3	6.4	5.7	6.3	4.7
Titan	5.4	7.4	6.8	6.5	5.7
Trailblazer	4.2	7.2	6.4	7.4	4.0
Tribute	4.4	6.9	5.9	6.9	5.0
Trident	4.9	7.2	6.5	6.8	5.0
Willamette	4.8	6.5	6.7	6.2	5.0
Winchester	4.4	6.9	6.4	7.0	5.0
Wrangler	5.4	7.2	6.7	6.9	5.7
LSD value	1.7	0.7	0.7	0.4	1.4

MEAN TURFGRASS RATINGS OF COMMERCIALLY-AVAILABLE TALL FESCUE VARIETIES

Variety	E. Lansing, MI-1	St. Louis, MO-3	N. Brunswick NJ-1	Ithaca, NY-1	Long Island, NY-2
Adventure	6.1	5.4	4.0	4.8	5.5
Amigo	6.9	5.5	5.5	5.8	5.8
Apache	6.7	5.3	4.8	5.0	5.2
Arid	6.1	5.4	4.5	5.0	5.3
Aztec	6.1	6.0	6.0	5.0	5.5
Barnone	—	5.9	4.7	4.7	5.3
Bonanza	6.4	5.6	5.5	5.0	5.7
Carefree	6.1	5.5	4.3	5.0	5.5
Chieftain	6.1	5.5	5.0	5.3	5.7
Cimarron	6.2	5.4	4.4	5.5	5.3
Eldorado	6.3	5.3	5.9	4.3	4.5
Emperor	6.0	5.2	5.3	4.2	4.0
Falcon	6.6	5.3	3.8	4.3	4.7
Finelawn I	5.9	4.8	3.5	4.2	4.7
Finelawn 5GL	5.8	5.5	4.3	4.2	5.0
Jaguar	5.7	5.2	4.2	4.5	4.7
Jaguar II	7.4	5.1	4.3	5.3	5.3
Ky-31	5.0	4.8	2.6	3.3	3.8
Legend	6.2	5.0	4.8	4.2	4.3
Mesa	6.3	5.2	5.0	4.5	4.3
Monarch	6.7	5.4	6.3	4.8	5.3
Murietta	5.6	5.2	4.9	4.7	5.2
Olympic	6.0	5.6	4.9	5.8	5.8
Pacer	5.9	5.6	4.0	4.7	4.5
Rebel	6.3	5.2	4.3	4.3	4.8
Rebel II	6.6	5.7	5.2	5.0	4.8
Richmond	6.1	5.2	4.0	4.8	4.8
Silverado	6.1	5.5	6.0	4.5	4.8
Sundance	6.2	5.5	5.3	4.0	4.2
Taurus	6.2	5.2	5.0	5.3	4.8
Thoroughbred	6.3	5.1	4.9	4.7	4.5
Tip	5.9	5.2	3.3	3.7	4.2
Titan	6.0	6.0	4.4	4.2	4.2
Trailblazer	6.3	5.8	5.7	5.8	6.2
Tribute	6.7	5.8	5.5	4.5	4.8
Trident	6.1	5.3	4.6	4.8	4.7
Willamette	5.7	5.0	3.5	4.5	5.0
Winchester	5.9	6.0	5.3	4.3	5.0
Wrangler	6.2	5.0	5.0	5.2	5.2
LSD value	0.8	0.5	0.7	1.3	1.2

Cobra is the bent that ends the long wait for a challenger to Penncross.

Cobra is the new, improved creeping bent developed jointly by International Seeds, Inc. and Rutgers University which has surpassed Penncross for color and turf quality in trials in North Carolina and Georgia.

From March through August in a North Carolina State trial Cobra's turf quality was judged superior to that of both Penncross and Penneagle.

On a golf green built to USGA specifications at Griffin, Georgia Cobra's color was rated superior to that of Penncross in March, May, August and October and better than Penneagle's color in March, August and October.

The North Carolina trials also showed Cobra to be superior to Penncross in dry root weight and to have better resistance to dollar spot.

Very fine textured, heat, cold, disease and drought tolerant, Cobra is the creeping bentgrass of the future.

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Part 4. 1988 DATA

MEAN TURFGRASS RATINGS OF COMMERCIALLY-AVAILABLE TALL FESCUE VARIETIES

Variety	Stillwater, OK-1	Marysville, OH-2	Corvallis, OR-2	Kingston, RI-1	Dallas-a TX-1
Adventure	5.5	6.9	5.7	6.5	6.3
Amigo	5.5	6.1	5.6	6.5	6.0
Apache	5.9	6.7	6.0	6.3	5.7
Arid	5.9	6.2	5.6	6.5	5.7
Aztec	6.0	5.7	5.3	6.1	6.3
Barnone	5.3	6.3	5.4	5.9	6.3
Bonanza	5.9	7.2	5.5	6.6	6.3
Carefree	5.5	6.0	5.6	5.8	4.3
Chieftain	6.1	6.9	5.8	6.8	5.7
Cimarron	5.5	7.0	5.2	6.5	5.7
Eldorado	5.5	5.7	5.6	5.8	4.7
Emperor	5.0	5.0	5.0	5.8	5.0
Falcon	5.8	6.8	5.8	6.4	6.0
Finelawn I	5.9	6.8	5.9	6.5	5.0
Finalawn 5GL	6.0	7.1	5.8	6.0	6.3
Jaguar	6.4	7.1	5.9	6.8	5.0
Jaguar II	6.0	5.8	5.8	6.6	3.3
Ky-31	6.0	6.6	5.3	5.5	5.3
Legend	5.7	5.9	5.8	5.6	5.7
Mesa	6.0	6.7	5.7	6.6	5.3
Monarch	5.6	5.7	5.6	6.9	5.0
Murietta	5.3	5.7	5.7	5.9	5.7
Olympic	6.0	6.8	6.1	6.6	5.0
Pacer	5.8	6.0	5.5	5.9	5.7
Rebel	5.6	6.3	5.9	6.6	5.0
Rebel II	6.0	7.0	5.6	7.0	4.0
Richmond	5.3	5.7	5.5	5.8	4.3
Silverado	5.5	5.6	5.4	6.2	5.3
Sundance	5.8	6.7	5.7	6.5	4.7
Taurus	5.4	6.7	5.4	5.8	5.3
Thoroughbred	6.0	6.8	6.0	6.9	3.3
Tip	6.2	6.2	5.6	5.7	5.3
Titan	6.6	7.0	5.4	6.5	5.7
Trailblazer	5.9	6.4	6.3	5.7	6.7
Tribute	5.8	6.4	5.6	6.7	5.3
Trident	5.4	6.6	5.4	5.7	5.3
Willamette	5.2	7.0	5.7	5.3	5.7
Winchester	5.7	5.9	5.5	6.7	5.7
Wrangler	6.1	6.3	6.0	6.1	5.3
LSD value	0.8	1.0	0.5	0.9	1.8

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Kentucky Bluegrasses
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MEAN TURFGRASS RATINGS OF COMMERCIALLY-AVAILABLE TALL FESCUE VARIETIES

Variety	Beltsville-6 UB-1	Blacksburg, VA-1	Richmond, VA-3	Ritzville, WA-4	Mean scores
Adventure	6.4	5.6	5.3	5.7	5.7
Amigo	6.9	5.9	4.8	6.7	6.1
Apache	6.4	6.0	5.1	7.0	5.8
Arid	6.4	5.7	5.5	5.0	5.7
Aztec	7.0	6.0	5.2	6.0	6.1
Barnone	6.6	6.0	5.1	5.3	5.7
Bonanza	6.6	6.2	5.2	5.7	6.0
Carefree	6.4	5.9	4.9	6.0	5.7
Chieftain	6.6	6.0	4.7	6.0	5.9
Cimarron	6.6	6.0	5.4	5.7	5.9
Eldorado	6.5	5.7	5.0	5.0	5.8
Emperor	6.5	5.3	5.4	5.0	5.4
Falcon	6.3	5.8	5.8	4.7	5.5
Finelawn I	6.3	5.6	5.0	4.3	5.4
Finelawn 5GL	6.4	6.0	5.8	6.0	5.8
Jaguar	6.4	5.9	4.8	5.3	5.7
Jaguar II	6.5	6.2	5.6	5.3	5.8
Ky-31	5.1	5.3	5.3	3.0	4.9
Legend	6.8	5.5	4.9	5.0	5.6
Mesa	6.7	6.1	5.3	5.7	5.9
Monarch	6.6	6.2	5.3	5.3	6.0
Murietta	6.3	5.5	4.7	6.3	5.6
Olympic	6.6	5.9	5.2	6.0	5.9
Pacer	6.3	5.3	5.3	6.0	5.5
Rebel	6.2	5.8	4.9	5.0	5.6
Rebel II	6.7	6.2	5.3	6.0	5.9
Richmond	6.0	6.0	5.2	5.0	5.3
Silverado	6.8	6.0	5.1	5.7	5.7
Sundance	6.6	5.9	5.8	5.3	5.7
Taurus	6.6	5.8	5.7	6.7	5.8
Thoroughbred	6.6	6.1	5.1	6.7	5.9
Tip	6.2	5.4	5.0	5.0	5.3
Titan	6.4	6.0	5.5	5.7	5.8
Trailblazer	6.6	5.5	4.8	6.7	5.9
Tribute	6.7	6.2	5.3	6.3	5.9
Trident	6.7	5.4	4.9	5.7	5.6
Willamette	6.0	5.5	5.0	6.0	5.4
Winchester	6.4	5.8	5.6	5.3	5.8
Wrangler	6.8	6.3	5.2	4.3	5.8
LSD value	0.5	0.5	0.9	1.8	0.2

a- high mowing b- medium maintenance

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TURF TYPE TALL FESCUE

Circle No. 802 on Reader Inquiry Card

Part 1. 1987 DATA

TURFGRASS QUALITY RATINGS OF COMMERCIALLY AVAILABLE KENTUCKY BLUEGRASS VARIETIES

Variety	Riverside, CA-3	Wichita, KS-2	Silver Spring, MD-1	Columbia, MO-1	Lincoln, NE-1
A-34	5.7	7.4	6.7	6.4	6.1
Abbey	5.7	7.1	6.6	6.2	5.8
Able I	4.3	6.6	6.1	6.6	5.3
Amazon	4.0	6.9	5.9	6.2	4.7
America	4.4	7.3	5.6	6.9	5.8
Aquila	5.4	5.9	6.8	6.6	6.6
Aspen	4.8	7.1	6.3	6.4	6.0
Baron	4.7	7.5	5.1	6.7	5.7
Blacksburg	4.9	8.1	7.0	6.3	5.2
Bristol	5.2	7.5	5.8	7.0	5.8
Challenger	5.6	7.9	5.0	6.9	5.5
Chateau	5.2	7.4	5.2	6.1	5.6
Cheri	5.1	7.6	5.3	7.0	5.8
Classic	5.5	7.2	6.4	6.5	5.5
Coventry	5.1	7.2	5.4	6.6	6.0
Cynthia	5.1	6.7	6.0	6.7	6.0
Dawn	5.6	7.4	5.6	6.3	5.3
Destiny	5.0	7.2	4.9	6.3	5.8
Eclipse	4.2	7.8	5.6	6.5	5.5
Estate	5.0	7.0	5.6	6.6	5.0
Freedom	5.4	7.1	6.0	6.4	5.6
Georgetown	5.3	7.0	6.0	6.4	5.8
Glade	5.3	7.7	5.8	6.2	5.8
Gnome	3.8	6.9	3.8	6.8	5.3
Haga	5.3	7.1	6.0	6.2	6.0
Harmony	5.3	7.3	5.1	6.8	6.0
Huntsville	5.1	6.3	4.6	6.5	5.9
Ikone	5.0	7.3	5.6	6.8	5.1
Joy	4.7	6.1	4.8	6.3	5.1
Julia	4.8	6.7	4.1	6.1	5.0
Kenblue	4.7	4.8	5.9	6.5	5.5
Liberty	5.4	7.1	6.4	6.5	6.1
Merion	4.0	7.0	4.6	6.0	5.7
Merit	5.6	7.4	5.9	6.5	6.0
Midnight	5.4	8.5	7.4	6.0	6.0
Monopoly	5.2	6.5	5.2	6.4	5.1
Mystic	4.3	6.2	6.4	6.5	5.4
Nassau	5.3	7.7	6.1	6.4	5.3
Parade	5.5	7.3	5.9	6.5	5.9
Princeton 104	5.1	8.3	6.4	6.4	5.8
Ram I	5.3	6.5	5.7	6.1	6.0
Rugby	6.1	7.0	6.7	6.4	6.3
S.D. Certified	5.1	5.4	5.6	6.2	5.3
Somerset	5.1	7.0	4.2	6.3	5.8
Sydsport	5.4	7.5	4.9	6.9	5.3
Tendos	5.9	7.0	4.7	6.6	5.7
Trenton	5.8	6.9	6.3	7.2	5.3
Victa	5.3	7.5	6.0	6.4	4.8
Wabash	5.3	6.7	4.8	6.4	4.5
Welcome	5.3	6.7	5.0	6.8	4.9
LSD value	1.0	0.7	1.9	0.8	0.9

Part 2. 1987 DATA

TURFGRASS QUALITY RATINGS OF COMMERCIALLY AVAILABLE KENTUCKY BLUEGRASS VARIETIES

Variety	Columbus, OH-1	Kingston, RI-1	Blacksburg, VA-1	Pullman, WA-1	Mean score
A-34	6.7	5.7	4.4	5.7	5.9
Abbey	5.8	5.3	5.2	7.0	5.7
Able I	5.9	5.3	4.4	6.7	5.7
Amazon	6.4	5.7	4.4	6.0	5.5
America	6.8	5.6	4.8	6.7	5.9
Aquila	5.7	5.4	4.1	6.7	5.6
Aspen	5.8	5.5	4.0	6.0	5.7
Baron	6.0	4.3	4.6	7.0	5.6
Blacksburg	6.8	6.3	4.6	8.0	6.4
Bristol	6.7	6.2	4.4	6.7	6.0
Callenger	6.4	5.9	4.3	6.3	5.9
Chateau	6.8	5.9	5.0	7.0	5.8
Cheri	6.3	5.6	4.6	6.3	5.7
Classic	6.0	5.3	4.2	6.3	5.8
Coventry	6.6	5.3	5.0	6.0	5.8
Cynthia	5.9	5.3	4.2	6.0	5.7
Dawn	6.2	5.9	4.1	7.0	5.7
Destiny	6.0	5.8	4.8	6.7	5.5
Eclipse	6.1	5.8	5.2	7.0	5.9
Estate	6.6	5.8	4.7	5.7	5.9
Freedom	5.8	6.0	4.6	6.3	5.8
Georgetown	5.9	4.6	4.5	6.3	5.6
Glade	6.6	5.7	4.8	7.3	5.8
Gnome	5.4	4.5	4.7	6.7	5.3
Haga	6.2	5.0	5.0	6.7	5.8
Harmony	6.2	5.5	4.4	7.3	5.4
Huntsville	5.6	5.0	4.2	6.3	5.1
Ikone	6.6	5.2	4.7	7.0	5.7
Joy	5.0	4.2	4.2	6.0	4.7
Julia	6.4	5.8	4.7	7.3	5.8
Kenblue	4.8	4.7	3.7	6.0	4.7
Liberty	5.9	5.7	4.5	6.3	5.7
Merion	5.9	4.9	4.3	6.0	5.4
Merit	6.2	5.2	4.6	6.7	5.6
Midnight	6.8	6.1	4.7	8.0	6.3
Monopoly	5.1	5.1	4.9	5.3	5.5
Mystic	6.4	4.9	3.4	6.3	5.4
Nassau	6.4	5.3	4.7	6.3	5.7
Parade	5.6	5.6	3.8	6.3	5.7
Princeton 104	7.1	5.3	4.9	7.0	6.2
Ram I	6.6	4.8	4.8	7.0	5.6
Rugby	6.0	5.7	4.4	7.0	5.8
S.D. Certified	5.4	5.0	4.1	5.7	4.6
Somerset	6.1	5.0	4.6	6.7	5.6
Sydsport	6.6	4.6	5.3	7.7	5.8
Tendos	6.1	5.4	4.8	7.0	5.7
Trenton	5.9	5.9	4.6	6.3	5.9
Victa	6.3	4.8	5.2	7.7	5.7
Wabash	5.9	6.0	4.1	6.0	5.4
Welcome	6.3	6.0	4.5	6.7	5.5
LSD value	1.0	1,0	0.8	1.1	0.2

Part 1. 1988 DATA

MEAN TURFGRASS RATINGS FROM NATIONAL PERENNIAL RYEGRASS TEST

Variety	Washington, DC-1	Post Falls, ID-2	W. Lafayette, IN-1	Amherst, MA-1	E. Lansing, MI-1
Allaire	4.9	4.9	6.8	4.7	6.6
Aquarius	2.9	2.9	6.9	4.9	5.8
Barry	2.2	4.4	6.2	5.0	6.2
Belle	3.9	5.5	6.7	5.1	6.0
Birdie II	4.7	5.1	6.7	4.8	5.9
Blazer II	4.5	6.7	6.7	5.2	6.4
Caliente	5.1	4.8	6.5	5.3	5.6
Charger	4.2	6.5	7.0	4.8	6.2
Citation II	2.3	5.0	7.0	5.1	6.1
Commander	5.4	5.3	7.0	5.0	6.2
Competitor	5.1	4.9	6.7	5.2	6.1
Cowboy	2.8	5.2	6.6	4.9	5.4
Dasher II	2.9	5.3	7.1	4.8	6.2
Delray	2.5	5.3	6.8	5.4	5.3
Derby	3.8	5.1	6.8	5.2	5.8
Dillion	4.2	3.7	6.6	5.0	5.8
Diplomat	5.1	5.0	6.8	4.9	5.6
Fiesta II	4.1	6.1	7.2	5.3	6.0
Gator	5.1	5.5	6.5	5.0	6.0
Goalie	4.6	6.2	6.8	5.1	5.9
Lindsay	4.1	4.9	6.9	5.2	6.4
Linn	1.8	2.6	5.6	4.3	3.8
Manhattan	4.6	4.3	6.7	4.8	6.2
Manhattan II	4.3	5.6	7.0	4.8	6.3
Omega II	2.6	5.9	6.7	4.9	5.9
Ovation	3.7	4.9	6.8	5.1	5.8
Palmer	5.9	5.7	7.0	5.3	5.9
Patriot	4.2	4.9	6.8	4.8	5.6
Pennant	4.4	5.4	7.0	5.2	6.3
Pennfine	4.2	5.1	6.7	5.3	5.6
Prelude	5.6	5.4	6.7	5.1	5.9
Ranger	4.9	4.9	6.7	5.3	5.6
Regal	3.7	5.3	6.6	4.9	5.5
Regency	3.7	5.1	6.7	4.8	5.8
Repell	5.6	5.2	7.2	5.1	6.6
Riviera	3.8	5.5	6.7	5.0	6.3
Rodeo	4.1	6.0	7.0	5.3	6.3
Saturn	4.7	6.9	7.2	4.8	6.8
SR 4000	3.8	5.4	7.1	5.1	6.3
SR 4031	2.2	4.9	6.9	5.1	6.0
SR 4100	3.7	5.7	7.1	5.3	6.6
Tara	3.7	6.8	7.0	5.0	6.6
Vintage 2DF	4.2	3.7	6.4	4.8	5.6
Yorktown II	4.6	5.2	6.7	4.8	5.8
246	3.1	4.9	6.7	5.0	5.8
LSD value	1.9	1.0	0.5	0.4	0.8

Part 2. 1988 DATA

MEAN TURFGRASS RATINGS FROM NATIONAL PERENNIAL RYEGRASS TEST

Variety	Columbia, MO-1	Los Lunas, NM-1	Long Island, NY-2	Beltsville, UB-1	Mean score
Allaire	6.5	7.5	7.9	5.5	5.9
Aquarius	6.4	7.6	6.3	6.5	5.9
Barry	6.1	7.5	5.4	5.9	5.5
Belle	6.6	7.8	5.7	5.4	5.7
Birdie II	6.6	7.7	5.7	6.1	5.9
Blazer II	6.9	7.4	6.0	5.6	6.0
Caliente	6.3	7.4	5.9	5.8	5.8
Charger	6.7	7.4	5.8	6.1	6.0
Citation II	6.7	7.8	5.6	6.6	5.9
Commander	7.0	7.6	6.1	6.0	6.1
Competitor	6.7	7.7	6.1	6.5	6.0
Cowboy	5.9	7.4	5.3	4.8	5.4
Dasher II	7.1	7.3	5.7	6.3	5.9
Delray	6.1	7.6	5.7	5.5	5.4
Derby	6.3	7.6	5.8	5.4	5.7
Dillon	6.1	7.4	5.8	5.5	5.5
Diplomat	6.4	7.5	5.6	5.3	5.5
Fiesta II	6.8	7.7	6.1	4.1	6.1
Gator	6.6	7.8	5.8	6.0	6.0
Goalie	6.7	7.4	5.9	6.3	5.9
Lindsay	6.4	7.4	5.6	5.6	5.9
Linn	4.1	7.6	4.4	2.3	3.9
Manhattan	5.9	7.5	5.8	5.2	5.4
Manhattan II	6.2	7.7	5.9	6.3	6.0
Omega II	6.8	7.8	5.7	6.5	6.0
Ovation	6.3	7.6	5.8	5.8	5.5
Palmer	6.8	7.6	5.8	6.0	6.1
Patriot	6.7	7.8	6.2	5.5	5.8
Pennant	7.0	7.5	5.8	6.2	6.1
Pennfine	6.1	7.3	5.8	5.7	5.6
Prelude	6.6	7.3	6.2	5.8	5.9
Ranger	6.2	7.7	5.9	5.5	5.7
Regal	6.7	7.6	5.4	6.7	5.6
Regency	6.2	7.6	5.5	4.7	5.5
Repell	6.6	7.6	6.3	6.8	6.1
Riviera	7.0	7.6	6.0	6.5	6.1
Rodeo	6.4	7.3	5.9	5.3	5.8
Saturn	7.3	7.8	6.1	6.9	6.3
SR 4000	7.1	7.8	5.9	6.8	6.2
SR 4031	6.1	7.7	5.8	6.0	5.6
SR 4100	6.9	7.5	6.1	6.9	6.1
Tara	6.3	7.5	5.9	5.9	5.9
Vintage 2DF	6.5	7.4	5.7	5.8	5.5
Yorktown II	6.1	7.6	5.8	5.3	5.5
246	6.4	7.7	6.0	6.3	5.6
LSD value	0.4	0.6	0.7	0.8	0.2

Part 1. 1988 DATA

MEAN TURFGRASS RATINGS OF COMMERCIALLY-AVAILABLE BERMUDAGRASS VARIETIES

Variety	Fayetteville, AR-1	Santa Ana, CA-2	Riverside, CA-3	Gainesville, FL-1	Manhattan, KS-1
Arizona common	5.5	4.8	5.0	5.0	4.6
Guymon	5.0	4.5	5.0	5.1	5.7
Midiron	6.2	5.9	6.0	5.6	6.9
Numex Sahara	5.7	4.9	4.9	5.3	5.0
Texturf 10	7.8	5.8	5.5	5.3	6.7
Tifgreen	7.3	5.4	5.8	5.2	7.1
Tifway	7.8	6.1	5.5	6.3	5.6
Tifway II	7.9	6.4	5.8	6.1	5.8
Tufcote	7.3	5.5	5.9	5.8	7.1
Vamont	5.8	5.1	5.9	4.9	6.7
LSD value	0.6	0.5	0.5	0.4	0.6

Part 2.

Variety	Wichita, KS-2	Baton Rouge-a LA-1	Baton Rouge-b LA-2	Silver Spring, MD-1	Miss. St.-c MS-1
Arizona common	6.1	5.6	5.3	5.0	3.8
Guymon	6.1	5.2	5.2	4.4	3.2
Midiron	8.0	6.7	6.7	5.4	5.0
Numex Sahara	6.1	5.9	5.8	5.3	3.9
Texturf 10	7.6	6.8	7.2	5.3	5.5
Tifgreen	7.7	7.7	8.3	6.2	7.1
Tifway	8.2	7.9	7.8	6.3	6.8
Tifway II	8.3	7.9	7.8	6.4	7.0
Tufcote	8.0	7.5	7.7	5.8	5.6
Vamont	6.1	6.2	6.1	6.2	4.3
LSD value	0.9	0.7	0.5	1.4	0.3

a-high mowing b-low mowing c-full sun

Part 3. 1988 DATA

MEAN TURFGRASS RATINGS OF COMMERCIALLY -AVAILABLE BERMUDAGRASS VARIETIES

Variety	Miss. St.-d MS-2	Las Cruces-e NM-1	Las Cruces-f NM-2	Stillwater, OK-1	Cleveland, TX-1
Arizona common	2.0	3.2	2.7	5.7	4.0
Guymon	1.3	4.6	1.7	5.8	3.0
Midiron	1.7	5.0	5.0	6.2	5.3
Numex Sahara	2.1	5.0	4.7	6.3	4.3
Texturf 10	3.1	6.7	7.7	6.8	5.7
Tifgreen	4.7	4.6	7.0	6.7	9.0
Tifway	3.9	6.0	8.0	6.8	7.7
Tifway II	3.9	6.8	7.7	6.3	8.0
Tufcote	3.7	5.3	6.7	6.4	5.7
Vamont	3.1	4.1	4.7	6.8	6.3
LSD value	0.7	1.0	1.9	0.7	0.9

Part 4.

Variety	Beltsville, UB-1	Blacksburg, VA-1	Blackstone, VA-2	MEAN SCORE
Arizona common	3.8	4.9	5.0	4.6
Guymon	4.7	4.6	5.4	4.5
Midiron	6.3	6.4	6.6	5.8
Numex Sahara	4.9	5.7	5.9	5.1
Texturf 10	6.3	7.0	6.6	6.3
Tifgreen	7.8	7.2	7.0	6.8
Tifway	6.9	7.6	7.4	6.8
Tifway II	6.9	7.4	7.1	6.9
Tufcote	7.5	6.7	6.6	6.4
Vamont	5.9	5.9	6.4	5.6
LSD value	0.8	1.0	0.6	0.2

d-dense shade e-high mowing f-low mowing

MEAN TURFGRASS QUALITY RATINGS OF COMMERCIALLY-AVAILABLE FINELEAF FESCUES

Variety	Santa Clara, CA-1	Louisville, KY-1	Silver Spring, MD-1	Hubbard, OR-1	Blacksburg, VA-1	Mean score
Atlanta	3.9	4.0	2.0	5.2	5.2	4.5
Aurora	4.8	6.7	2.7	6.1	5.8	5.4
Banner	4.8	5.3	3.9	5.5	4.8	5.0
Bighorn	—	6.6	3.2	6.4	5.6	5.2
Biljart	4.6	6.6	2.5	5.2	6.0	5.2
Boreal	4.2	3.8	3.3	4.9	4.2	4.3
Center	4.0	4.2	3.5	5.7	4.7	4.8
Checker	3.8	3.2	2.8	5.0	4.3	4.3
Enjoy	4.8	4.0	2.7	5.1	4.6	4.7
Ensylva	4.0	4.1	3.7	4.6	4.7	4.6
Epsom	4.0	4.1	3.3	5.4	4.9	4.7
Flyer	4.7	5.4	4.0	5.5	4.9	5.0
Highlight	4.2	2.3	3.0	5.3	4.2	4.2
Jamestown	4.6	4.5	3.0	5.9	4.8	4.7
Koket	4.5	4.1	3.5	4.8	4.8	4.5
Logro	—	2.1	1.7	3.9	4.1	3.7
Longfellow	4.7	5.4	3.1	6.1	5.3	5.1
Mary	4.7	4.2	3.2	5.4	4.3	4.7
Pennlawn	4.2	3.0	3.2	5.4	4.9	4.6
Reliant	4.6	5.9	2.0	6.1	5.9	5.1
Ruby	4.5	1.8	4.1	5.0	4.2	4.2
Scaldis	5.1	5.9	3.5	6.1	5.4	5.3
Shadow	4.8	5.4	2.9	6.4	4.6	5.0
Spartan	—	6.1	2.5	5.9	5.5	5.2
SR 3000	5.2	6.2	3.6	5.9	5.8	5.4
Victory	4.8	6.1	3.3	5.6	4.9	5.2
Waldina	5.2	5.5	3.5	5.9	5.9	5.1
Waldorf	4.1	4.3	3.3	5.9	5.0	4.8
Wintergreen	3.7	3.0	3.3	4.4	4.1	4.1
430	4.8	5.3	4.3	5.4	4.9	4.9
LSD value	0.9	1.0	1.2	0.8	0.4	0.4

Fine Fescue Defined

What are Fine Fescues and why are they so important to turf managers?

Our Fescue turfgrasses are part of most every park, golf course, industrial campus, athletic field, condominium commons and home lawn from the transition zone, Northward.

But, many people are not aware of that. Perhaps we are the most overlooked turfgrass in existence.

We feel that Fine Fescues are the best turf investment a grounds manager can make. And, we'd like to point out *why.*

Fine Fescues are *real* grass. And, as with all living things, there is give and take. Sure, our Fescues take water and some maintenance, but they are better *givers.* Our natural grass turns noxious gases into oxygen and is a natural air conditioner for turf users.

We feel that while artificial turf has its place on locker room floors, it has no business where *real* people work, play and relax. Our grass is just *naturally* more refreshing.

Our Chewings (Festuca rubra commutata) and creeping red (Festuca rubra rubra) Fescues are rather unique when compared with other turfgrass species. Although they have most of the features of other cool season grasses, Fescues have several distinct benefits worth noting.

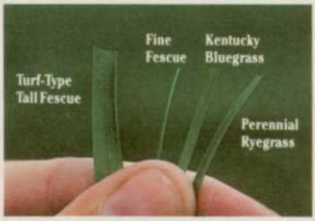
Fine Fescues are low maintenance. Our varieties require less fertilizer and water than other species. That's a big *plus* at today's water, fertilizer and manpower prices.

Fine Fescues fare well around trees. It seems our grass doesn't need as much sunlight, water and nutrients as other turfgrass species. Because Fescues don't compete with trees for these important elements, they're called *shade grass.* Our Fescues don't creep into flower beds, nor crowd out other species in a mixture.

And, because they're Oregon grown, our Fescues germinate, adapt and perform better than imported types.

You'd expect to pay a fortune for such a turfgrass, but Fescues are quite reasonable

Why don't Fescues cost a great deal? Fine Fescues have been around a long time and have been changed very little. Why mess with a good thing? While other former "pasture" species are coming closer to looking like our old standard; receiving notoriety for their "improvements" and enjoy the price increases associated with the word "new," our Fescues have continued what they do best . . . support the up-and-comers. But then, Fine Fescues were meant to be stepped on.



Fine Fescues are Ideal for Recreation, Sports and Leisure

Not only do Fine Fescues excel alone or in perennial ryegrass/Kentucky bluegrass mixtures on horizontal playing surfaces; Fescues are excellent for low maintenance areas like berms, roadside banks, ski slopes and hilly spots that don't retain moisture. So, you see, Fescues are ideal all-around grasses for *all around* your recreation and sports facility. Their low maintenance requirements offer *turf managers* a chance for a little more leisure . . . and there's nothing wrong with that.

For a series of nine tech sheets on Oregon grown Chewings and creeping red Fescues, call or write:

Oregon Fine Fescue Commission
2140 Turner Road SE
Salem, OR 97302·
503/585-1157

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Use this handy guide to order Turf-Seed varieties developed and produced for turfgrass professionals like yourself

TURF-SEED

PO BOX 250 • HUBBARD, OR 97032 • 503-981-9571 • FAX 503-981-5626

Species	Variety		Seeding rate 1000/sq. ft.	Nitrogen req'ment	Drought tolerance
Turf-Type Kentucky Blue	**Challenger** **Columbia** **Blacksburg**	**Midnight** **Galaxy blend**	2-3 lbs.	Medium	Good
Common Ky.	**Voyager**		2-3 lbs.	Low to Medium	Very good
Turf-Type Perennial Ryegrass	**Birdie II** **Charger** **Citation II** **Manhattan II** **Omega II**	**Remington** **Saturn** **Alliance blend** **CBS II blend** **246**	4-5 lbs.	Medium to high	Very good
Hard Fescue	**Aurora**		3-4 lbs.	Low	Very good
Chewings Fescue	**Shadow**		4 lbs.	Low	Good
Sheeps Fescue	**Bighorn**		4 lbs.	Low	Very good
Creeping Fescue	**Flyer** **Fortress** **Shademaster**		4 lbs.	Low	Good
Tall Fescue	**Apache** **Bonanza** **Eldorado** **Monarch** **Murietta**	**Olympic** **Silverado** **Triathalawn blend**	6-10 lbs.	Medium	Excellent
Creeping Bentgrass	**Penncross** **Penneagle** **PennLinks**		1 lb.	Low to medium	Fair
Creeping Bentgrass Blend	**Pennway**		1 lb.	Low to medium	Fair

Note: These are generalizations. For specific information, call or write Turf-Seed for tech sheets on particular varieties.

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Parks, Home lawns; North	Athletic fields, Parks, Home lawns; Trans. Zone	Parks, Home lawns; South/O'seed dorm. bermuda	Baseball fields; North	Croquet, tournament, Lawn bowls, Bocce; North	Football, Soccer, LaCrosse fields; North	Golf course fairways; North	Golf greens; North & Transition	Golf greens, Southern overseeding	Golf course roughs; North	Golf course tees; North	Polo fields; North	Tennis courts; North	Volleyball, Badminton; North	**Shade tolerance**	**Cold tolerance**
*	*	*	*	*	*	*	*	*	*	*	*	*	*		
1	2	3	1	3	1	2	X	3	2	2	1	3	1	Fair to good	Very good
1	2	3	2	X	2	3	X	X	1	X	1	X	2	Fair	Very good
2	2	1	1	1	1	1	3	1	2	1	1	1	1	Fair to good	Fair to good
2	3	X	3	X	3	X	X	X	1	X	X	X	3	Very good	Very good
2	X	2	3	2	3	2	3	2	1	3	2	3	2	Very good	Very good
2	3	X	3	X	3	X	X	X	1	X	X	X	3	Very good	Very good
2	3	3	3	X	3	3	X	3	1	X	3	X	X	Very good	Very good
2	1	3	1	X	1	X	X	X	1	X	1	X	3	Good	Good
X	X	X	X	1	X	1	1	1	X	1	X	1	X	Fair	Excellent
X	X	X	X	X	X	1	X	1	X	X	X	X	X	Fair	Excellent

* 1 = Excellent in blends or mixtures 2 = Good in blends & mixtures
3 = Fair. Use only in mixture X = Not recommended for sports turf

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LANDSCAPE *Guide* MANAGEMENT

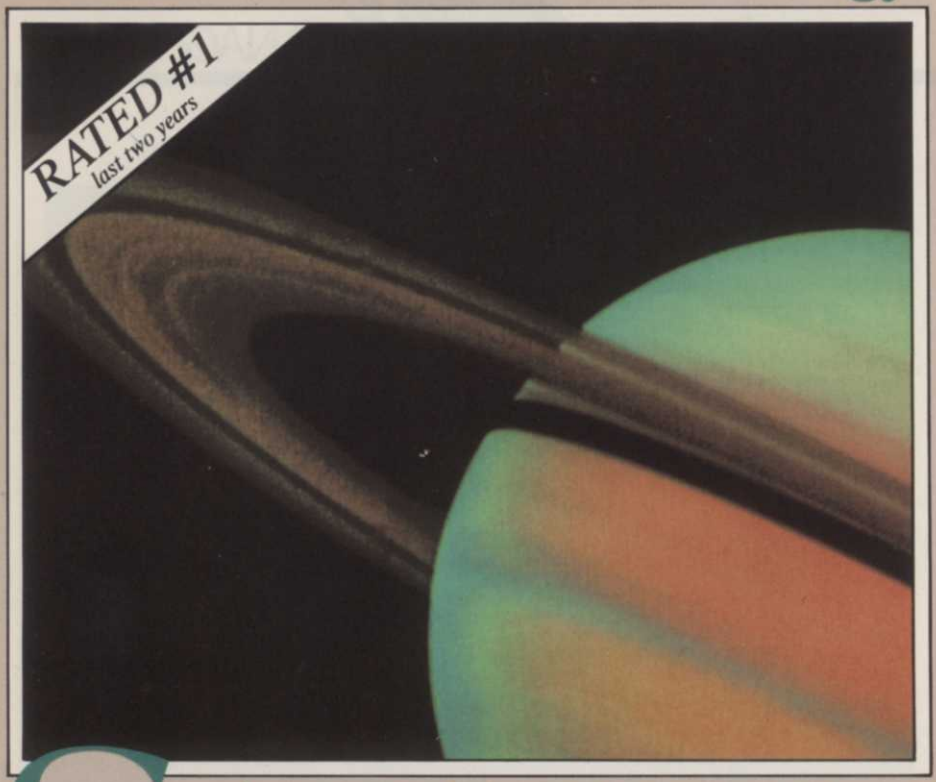
SECTION 2.

The information contained in this section features material taken from a variety of sources, including the past issues of *Landscape Management* magazine.

The editors gratefully acknowledge the cooperation of The Better Lawn and Turf Institute and Dr. Eliot Roberts, and the American Sod Producers Association for their material.

For more information on growing healthy, attractive turf, contact the Lawn Institute at P.O. Box 106, County Line Road, Pleasant hill, TN 38578; (615) 277-3722 or the American Sod Producers Association at 1855-A Hicks Rd., Rolling Meadows, IL 60008; (312) 705-9898.

New frontiers in turf technology



SATURN*

PERENNIAL RYEGRASS

**PVP800114*

New variety introductions get better and better with every passing year. Significant advancements in turf science and genetics make it possible. This year's Number One introduction, Saturn Perennial Ryegrass, is the most outstanding of all. It ranked first in North American testing at 22 University locations in a just-released report by USDA. Saturn Perennial Ryegrass is setting a new standard that future introductions will find hard to beat.

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Other Zajac Performance Seed varieties include Jaguar II and Emperor Tall Fescues, Omega II Perennial Ryegrass, Vista Red Fescue, and Liberty Kentucky Bluegrass

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USES OF TURFGRASSES

Species	Uses
Bermudagrass	*hot, dry or tropical climates *recommended for residential and commercial landscapes, golf courses, athletic fields and recreation areas *ideal for homes with children and pets
Bluegrass	*basic lawn grass of the cool, humid and temperate regions *recommended for residential and commercial lawns
Centipedegrass	*general purpose grass *best adapted to hot, humid and tropical climates *low maintenance
Fine fescue	*best adapted to cool summers and high altitudes *often used in mixes with other grasses *grows well in shade or drought-dry soil *Provides green winter color in hot climates
Ryegrass	*regions with mild winters and cool, moist summers *in mixes with bluegrass and fine fescue *sports fields and play areas
St. Augustinegrass	*coastal regions; hot, dry or tropical climates *residential, commerrcial and industrial landscapes
Tall fescue	*transition zone: cold winters, warm summers *good, tough play lawn *residential and commercial landscapes, parks, recreation areas
Zoysiograss	*hot, humid, tropical climates *sites with high traffic *residential and commercial landscapes

Source: American Sod Producers Assn.

Quality turfgrass seed takes experience in the field.

Insuring the quality of LESCO turfgrass seed begins long before our customers ever take delivery.

Between the time a promising new variety is identified and the day it ships from our warehouse, there are years of research, evaluation and production planning. It's time well spent.

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Art Wick, LESCO vice-president of R&D, inspects a Trailblazer Dwarf Turf-Type Tall Fescue production field.

Ongoing field development, and over 14,000 acres in current production, enable us to offer an outstanding selection of turfgrass seed. Choose from Kentucky bluegrasses, turf-type perennial ryegrasses, fine fescues, turf-type tall fescues and more. And ask about the blends and mixtures LESCO markets.

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ENODPHYTE LEVELS OF PERENNIAL TURFGRASS VARIETIES

HIGH - MOST INSECT RESISTANCE

Citation II	Repell
Commander	SR 4000
Dasher II	ST 4100
Pennant	Sunrye
Regal	SR 3000 hard fescue

MODERATELY HIGH - GOOD INSECT RESISTANCE

All*Star	Jazz
Birdie II	Omega II
Cowboy	Prelude
Dasher	Vintage

MODERATE - SOME INSECT RESISTANCE

Delray	Patriot
Derby	Pennfine
Linn	Premier
Palmer	Regency

LOW - LITTLE INSECT RESISTANCE

Allaire	Manhattan II
Blazer	Ovation
Elka	Ranger
Fiesta	Rodeo
Fiesta II	Tara
Gator	Yorktown II

Source: Rutgers University

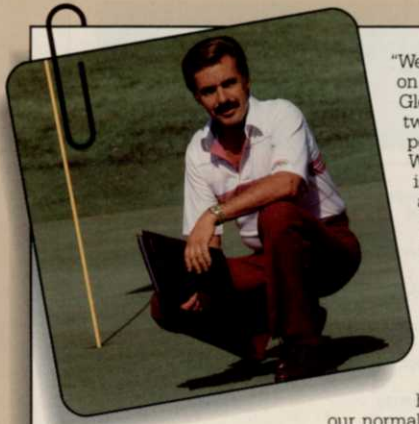
TOLERANCE OF GRASS SPECIES

Species	Temperature tolerance	Drought tolerance	Shade tolerance	Wear resistance	Water needs
Bermudagrass	exc. in heat	excellent	poor	excellent	low
Bluegrass	exc. in cold	good	fair	good	moderate
Centipedegrass	very good in heat	moderate	med. to good	fair	moderate
Fine fescue	good heat & cold	very good	moderate	moderate	low to mod.
Ryegrass	good	good	moderate	fair	moderate
St. Augustinegrass	good in heat	moderate	exc. to poor	moderate	mod. to high
Tall fescue	excellent	very good	good	fair	below average
Zoysiagrass	exc. in heat	moderate	fair	excellent	low to med.

Abbreviations used: exc. (excellent); med. (medium); mod. (moderate)

Source: American Sod Producers Assn.

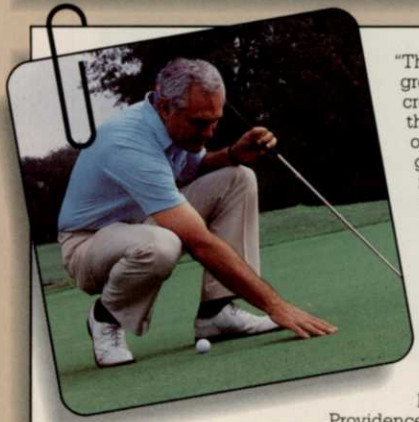
BENTGRASS



"We planted the 12th hole on Singing Hills' Willow Glen Course to SR 1020 two years ago, and it performed admirably. What's really significant is that members keep asking what we've done to the 12th hole that makes it putt so well! The members like SR 1020's performance from the players' point of view; we like that too, but we also value that we haven't had to change our normal greens maintenance program to achieve the results."

David Fleming

David Fleming, C.G.C.S.
Superintendent, Singing Hills Country Club
El Cajon, CA



"The newer golf course greens planted to Penncross look beautiful, but they don't putt like the old South German Bent greens. The putting surface of those old greens is fine-textured, not thatchy or grainy, and the old greens don't show the spike marks like Penncross. We've been needing bentgrasses bred for golf quality as well as turf quality for a long time, and it looks like SR 1020 and Providence fill the bill!"

Peter Trenham

Peter Trenham
President, Philadelphia Section PGA
St. David's Golf Club
Wayne, PA

Finally! New Cultivars Bred To Meet the Needs of the Superintendent and the Golfer!

At Seed Research, we listen to your needs. You've been wanting a bentgrass that's tough, looks great, and is easy to maintain . . . but one that's also fine-textured, with good putting green quality. And available.

So when the bentgrass shortage became apparent in 1983, we acted quickly and acquired parental germplasm from two of the finest bentgrass collections in the country – the University of Rhode Island and the University of Arizona. From those collections, we developed two exciting new creeping bentgrass cultivars, Providence (SR 1019) and SR 1020.

Evaluation on golf courses and at universities has shown that both these bents produce the kind of turf you demand: dark green, aggressive, competitive, easy to manage, good disease resistance, good stress tolerance, and compatible with existing bents for overseeding.

And, for real golfers like Peter Trenham, SR 1020 has proven it provides everything desired in a putting green bent: fine texture, uniform surface, and most importantly, an absence of grain, so the ball holds the line for true putting accuracy.

SR 1020 is already in production, and excellent quantities of certified seed are available. Providence will be available in August of 1989. With either of our exclusive new bentgrasses, you can look forward to a good-looking grass that will give you the performance you demand and the putting green quality your golfers prefer!

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COMPARING REQUIREMENTS OF TURF SPECIES

Species	Seeding rate per 1000 sq. ft.	Growth habit	Establishment rate
Kentucky bluegrass	2-3 lbs.	rhizomes	slow
Perennial ryegrass	5 lbs.	bunch	very fast
Hard fescue	4-5 lbs.	bunch	slow/medium
Chewings fescue	4 lbs.	bunch	medium
Creeping fescue	4 lbs.	rhizomes	medium
Tall fescue	6-9 lbs.	bunch	medium
Creeping bentgrass	1/2-1 lbs.	stolons	medium

Species	Fertility requirement	Mowing frequency	Thatch formation
Kentucky bluegrass	medium	low/medium	medium/high
Perennial ryegrass	medium/high	high	none
Hard fescue	low	low	medium
Chewings fescue	low/medium	low/medium	medium/high
Creeping fescue	low/medium	low/medium	low/medium
Tall fescue	medium	medium	low/none
Creeping bentgrass	low/medium	low/medium	high

Source: Seed Research of Oregon

A little maintenance goes a long way with Nassau Kentucky Bluegrass.

Why is Nassau a low maintenance bluegrass? Because it requires less fertilizer to maintain a dark green color, has superior drought tolerance, produces less thatch compared to other varieties while having excellent resistance to Fusarium blight, leaf spot, red thread, pink snow mold, stem rust, and stripe smut. This resistance decreases the need for costly fungicide applications.

Nassau is a hybrid variety (P-59 X Baron) developed by Dr. C. Reed Funk of Rutgers University.

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SEED BLENDS

Variety	Marketer	Ingredients	Adaptibility
Bent Blend	Lesco	25% Penncross, 25% Penneagle and 50% common creeping bentgrasses	Greens
CBS II	Turf-Seed	Blend of Citation II, Birdie II and Omega II Perennial ryegrasses	Home lawns Parks Golf courses
Derby Regal	International Seeds	50% Derby and 50% Regal perennial ryegrasses	Overseeding Golf courses
Dixie Green tall fescue	International Seeds	An equal blend of Pacer, Houndog and Mojave tall fescues	Roughs Parks Wherever permanent turf desired
Double Eagle Blend (CBS II)	Lesco	Contains Citation II, Birdie II and Omega II perennial ryegrasses	High traffic areas Southern overseeding
Eagle Blend	Lesco	Contains Commander, Manhattan II and Regency perennial ryegrasses	High traffic areas
Eagle Blend I	Lesco	Contains Commander, Vintage or Regency perennial ryegrasses	Greens Tees Fairways
Fourstar Sod Blend	Lofts	A blend of Baron, Ram I, Glade and Nassau Kentucky bluegrasses	Sod
Fun Lawn	Jonathan Green	40% Bonanza, 30% Fine Lawn I and 30% Mustang turf-type tall fescues	Roughs
Futura Plus	Pickseed West	50% Fiesta 25% Blazer 25% Dasher perennial ryegrasses	
Futura 2000	Pickseed West	Blend of Fiesta II, Dasher II and Blazer perennial ryegrasses	Wherever a Perennial ryegrass is recommended
Marvelgreen Supreme	Lofts	50% Palmer perennial, 30% Prelude perennial and 20% Yorktown II perennial ryegrass	Southern overseeding blend

SEED BLENDS

Variety	Marketer	Ingredients	Adaptibility
Par Blend	Lesco	40% Vintage 2df, 30% Regency and 30% Transfar intermediate ryegrass	Tees and collars Fairways
PhD	International Seeds	40% Derby, 40% Regal and 20% Gator perennial ryegrasses	Overseeding Golf courses
Premium Sod Blend	Northrup King	25% Aspen 25% Glade 25% Trenton and 25% Rugby Kentucky bluegrasses	Sod
Proform Sod Blue Blend	Garfield Williamson	20% Eclipse 25% Classic 20% Liberty 20% Challenger and 20% Touchdown Kentucky bluegrasses	Sod or turf repair
Proform Triple Classic	Garfield Williamson	50% Omega II, 25% Saturn and 25% Manhattan II perennial ryegrasses	Overseeding Golf courses Athletic fields
Quality Blue Blend	Lesco	A 25% blend of any of the following Kentucky bluegrasses: Julai, Dawn, Challenger, Merit, Columbia or Midnight	Sod Premium turf areas
Quartet	Van Der Have Oregon, Inc.	A blend of Pennfine, Brenda, Patriot and Mondial perennial ryegrasses	Greens
Sodmaker	Jonathan Green	40% Merit, 20% Classic, 20% Density and 20% Gnome Kentucky bluegrasses	Sod Tees and Fairways
Spectrum	Turf Merchants	An equal blend of Patriot, Manhatten II and Pennfine perennial ryegrasses	Southern overseeding and permanent grass in the northeast
Sports Turf	O.M. Scott	60% Loretta and Pennant perennial ryegrasses and 40% Victa and Abbey Kentucky bluegrasses	Athletic fields High traffic areas Parks/Schools
Team	Pickseed West	Blend of Mustang, Maverick and Thoroughbred turf-type tall fescues	Home lawns Parks Athletic fields

SEED BLENDS

Variety	Marketer	Ingredients	Adaptibility
Touch-up	Jonathan Green	40% Allaire, 30% Manhattan II and 30% Fiesta perennial ryegrasses	Home lawn overseeding Tees/Fairways/ Roughs
Transition Blend	Lesco	Contains the following turf-type Tall fescues: Cimarron, Bonanza, Trailblazer or Apache	Designed for transition zone
Triathalawn	Turf-Seed	Blend of Apache, Bonanza, Falcon and Olympic tall fescues	Home lawns Sod Golf courses Athletic fields
Triple Play	Fine Lawn	An equal blend of Pennant, Manhattan II and Pennfine perennial ryegrasses	Overseeding of golf courses in the south Wherever ryegrass desired
Triple Pro Blend	Northrup King	34% Galway 33% Falcon 33% Arid turf-type tall fescues	Sod in the south and west coast
Tri-plex Bluegrass	Lofts	Mixture of Nassau, Ram I, Georgetown and Baron	For full sun areas
Tri-plex General	Lofts	60% Nassau bluegrass, 20% Jamestown chewings fescue and 20% Palmer perennial ryegrass	For full sun areas
Tri-plex Ryegrass	Lofts	A mixture of Prelude, Palmer and Cowboy	
Tri-plex Shade	Lofts	40% Ram I Kentucky bluegrass, 40% Jamestown chewings fescue and 20% Palmer perennial ryegrass	
True Blue	Turf Merchants	An equal blend of Gnome, Merit and Baron Kentucky bluegrasses	Landscaping
Tuf Gem II	Turf Merchants	An equal blend of Bonanza, Apache and Brookston tall fescues	Permanent use

Wherever You Need A Low-Maintenance Turf Rely On

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HARD FESCUE

Roadsides, cemeteries, golf course roughs, vacation homes, orchards, reclamation areas. Wherever maintenance is impractical, Reliant Hard Fescue is the one you can rely on. It thrives on low maintenance:

- Good performance without supplemental irrigation
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- Improved disease resistance
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Blend Reliant with other fine fescues. It's ideal for poor, infertile soils. Or wherever a fragile ecology doesn't allow fertilization. Reliant can be used on any area that's mowed infrequently or not at all.

Rely on Reliant Hard Fescue — the high performance turf for low-maintenance areas.

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SEED BLENDS

Variety	Marketer	Ingredients	Adaptibility
Turf Mate Elite Dwarf	Turf Merchants	An equal blend of Trailblazer and Wrangler tall Fescuses	Permanent use
Victa Bristol Merit	O.M. Scott	A blend of Victa, Bristol and Merit Kentucky bluegrasses	Home lawns
VIP	Turf Merchants	An equal blend of Manhattan II, Pennant and Pennifine perennial ryegrasses	Southern overseeding, permanent turf in the northeast
VIP Bentgrass Blend	Turf Merchants	A blend of Seaside, Penncross and Penneagle bentgrasses	Southern overseeding, permanent turf in the northeast
Renovator Pro Blend	Northrup King	40% Delray 30% Caddie and 30% Pennfine Perennial ryegrass	Heavy traffic areas Athletic fields Playgrounds
Ryegrass 100	O.M. Scott	50% Pennant 30% Derby 20% Ovation perennial ryegrasses	Athletic fields Southern overseeding
Winter Turf III	O.M. Scott	70% Caravelle 20% Pennant 10% Derby perennial ryegrasses	Overseeding
Winter Turf IX	O.M. Scott	40% Caravelle 40% Manhattan II and 20% Pennant perennial ryegrasses	Overseeding

NO MATTER WHO WINS OR LOSES AT SOLDIER FIELD, WE GET TRAMPLED.

You've got to be tough to win at Soldier Field.

A classic battle was fought over this turf. When the dust settled, Chicago picked Medalist.

The lakefront home of Chicago's rugged Bears is now covered with a dense, beautiful premium blend of Trenton, Rugby, Glade and Aspen Kentucky Bluegrasses. All top-quality turfgrasses from Northrup King.

It's a proven performer that stands up to the relentless pounding. Bounces back strong week after week. And resists the attacks that can end the season for less hearty performers.

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So tune in. You can now watch the Bears stomp on one of the nation's best.

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SEED MIXES

Variety	Marketer	Ingredients	Adaptability
Athletic Field Mix	Lofts	80% Rebel or Clemfine tall fescue 10% Palmer perennial ryegrass 10% Nassau or Baron Kentucky bluegrass	Athletic fields
Athletic Pro Mix	Northrup King	25% Aspen and 25% Adelphi Kentucky bluegrass with 50% Delray perennial ryegrass	Athletic field renovation Poa Annua control
Athletic Pro II Mix	Northrup King	25% Rugby and 25% Trenton Kentucky bluegrasses with 25% Delray and 25% Caddie perennial ryegrasses	Overseeding of high wear areas Athletic fields Fairways
Blue-Rye	Jonathan Green	30% Allaire perennial ryegrass 25% Classic, 25% Gnome and 20% Merit Kentucky bluegrass	Home lawns Tees/Fairways/ Roughs
Boulevard Mixture	Northrup King	30% 'Fults' 30% Dawson red fescue 30% Park Kentucky bluegrass and 10% Delray perennial ryegrass	Areas of chronic salt accumulation
Companion	International Seeds	80% Elka perennial ryegrass 20% Ensylva creeping red fescue	Vineyards Shaded areas
Contractor's	Jonathan Green	50% annual ryegrass 35% perennial ryegrass 10% creeping red fescue and 5% Kentucky bluegrass	Initial seeding
Dense Shade	Jonathan Green	35% Victory chewings fescue 30% Pennlawn creeping red fescue 20% Glade and 15% Gnome Kentucky bluegrasses	Home lawns with little sun
Dixie Green	International Seeds	70% Derby perennial ryegrass with 30% Highlight chewings fescue	Golf courses (in southeast) Shaded areas
Drought Tough	Jonathan Green	30% Arid, 30% Bonanza and 30% Mustang tall fescue with 10% Gnome Kentucky bluegrass	Home lawns
Ecology	Lofts	80% Reliant hard fescue 20% Jamestown chewings fescue	For ecologically fragile sites where fertilizers are banned. Low maintenance areas
Fast Grow	Jonathan Green	50% Linn perennial ryegrass 20% Kentucky bluegrass 15% Annual ryegrass and 15% creeping red fescue	Roughs

SEED MIXES

Variety	Marketer	Ingredients	Adaptibility
Full Sun	Jonathan Green	30% Gnome Kentucky bluegrass 20% Allaire and 20% Manhattan II perennial ryegrass 15% Victory chewings fescue and 15% Pennlawn creeping Red fescue	Home lawn Fairways and roughs
Futura Blue	Pickseed West	20% Touchdown Kentucky bluegrass 20% America Kentucky Bluegrass 15% Agram chewings fescue 45% Fiesta perennial ryegrass	
General Turf Mixture	Northrup King	15% Park 35% Kentucky bluegrass 85/80 with 40% creeping red fescue and 10% perennial ryegrass	Schools Parks Cemeteries Rights-of-way
Heavy Traffic Mixture	Jonathan Green	45% Bonanza, 40% Mustang turf-type tall fescues and 15% Allaire perennial ryegrass	Roughs
Landscape Pro Mix	Northrup King	30% Park and 20% Parade Kentucky bluegrasses with 20% Delray perennial ryegrass and 30% Ruby creeping red fescue	Initial turf establishment
Marvelgreen and Laser	Lofts	85% Marvelgreen Supreme 15% Laser poa trivialis	Wherever a fine texture desired Southern overseeding blend
Marvelgreen Classic	Lofts	60% Palmer perennial ryegrass 20% Jamestown chewings fescue 20% Laser poa trivialis	Greens/Tees Shaded areas Southern overseeding blend
Marvelgreen Sports Mix	Lofts	A mixture of fine leaf turf type ryegrasses with annual ryegrass	Fairways/tees Athletic Fields Overseeding blend
Marvelgreen 3+1	Lofts	75% Marvelgreen Supreme 25% Jamestown chewings fescue	Southern overseeding blend
Maxi-Gain Green Chop	Turf-Seed, Inc.	(approximately) 43% Latar orchardgrass 22% Barpastra tetraploid perennial ryegrass 14% Tandem festulolium 11% TT-80 tetraploid Annula ryegrass 5% New Zealand white clover and the rest other crop seed and inert matter	Pastures

SEED MIXES

Variety	Marketer	Ingredients	Adaptibility
Medalist North	Northrup King	35% Delray and 35% Caddie perennial ryegrasses with 15% Trenton and 15% Rugby Kentucky bluegrasses	Renovation of worn areas Athletic fields
Overseeder II	Northrup King	25% Trenton, 25% Aspen and 20% Rugby Kentucky bluegrasses with 15% Delray and 15% Caddie perennial ryegrasses	Fairway renovation Home lawns
Pasture	Jonathan Green	40% perennial ryegrass 25% Kentucky bluegrass 15% orchard grass 15% timothy and 5% Ladino clover	Paddock mixture
Premier Turf Mix	Northrup King	25% Rugby, 20% Adelphi and 20% Trenton Kentucky bluegrasses with 25% Scaldis hard fescue and 10% Delray perennial ryegrass	Home lawns Fairways
Proform Deep Shade Mix	Garfield Williamson	35% Ensylva and 15% Shadow chewings fescues with 30% Omega II perennial ryegrass 10% Aurora hard fescue 5% Eclipse Kentucky bluegrass and 5% Sabre poa trivialis	Dry and damp shaded areas or areas with up to 70% shade
Proform Sports Turf	Garfield Williamson	60% Jaguar and 18% Bonanza turf-type tall fescues 15% Omega II perennial ryegrass and 7% Liberty Kentucky bluegrass	Parks Cemeteries Athletic fields
Shady Turf	Northrup King	15% Nugget and 25% Glade Kentucky bluegrasses with 10% Delray perennial ryegrass and 25% Scaldis hard fescue	New seedings Overseeding of shaded areas
Show Lawn	Jonathan Green	40% Allaire and 30% Premier perennial ryegrasses, 10% Density, 10% Gnome and 10% Merit Kentucky bluegrasses	Home Lawns Athletic Fields Tees/Fairways/ Roughs
Special Park Mix	Northrup King	30% Aquila and 20% Park Kentucky bluegrass with 20% Ruby creeping red fescue, 20% Scaldis hard fescue and 10% Delray perennial ryegrass	Parks Low maintenance, shaded areas
Summer Stress	Lofts	90% Rebel or Rebel II turf-type tall fescue 10% Nassau or Baron Kentucky bluegrass	For transition zone fields subject to heat stress

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SEED MIXES

Variety	Marketer	Ingredients	Adaptibility
Sun and Shade	Jonathan Green	20% Victory Chewings fescue 20% Allaire and 15% Manhattan II perennial ryegrass 20% Pennlawn red fescue 15% Glade and 10% Gnome Kentucky bluegrasses	Lawn areas with varying light Fairways and roughs
Super Pro III	Northrup King	15% Adelphi 15% Rugby Kentucky bluegrasses and 35% Pennfine 35% Delray perennial ryegrasses	Overseeding of heavy traffic areas in far north
Survivor	Seed Research of Oregon	90% Tridnet and Falcon tall fescues, 10% SR 3000 hard fescue	Home lawns Athletic fields Parks Sod production Golf course roughs Industrial turf
Swift & Sure	Northrup King	15% Parade and 15% Park Kentucky bluegrasses with 30% Pennlawn creeping red fescue 20% Pennfine and 20% Delray perennial ryegrasses	Overseeding established areas
Trophy	Seed Research of Oregon	80% Trident and Falcon tall fescue 10% SR 3000 hard fescue 10% Merit Kentucky bluegrass	Home lawns Athletic fields Parks Sod Golf course roughs Industrial turf
Turf Supreme	Lofts	80% Nassau Kentucky bluegrass 20% Palmer perennial ryegrass	
Utility Mixture	O.M. Scott	30% Red fescue 55% Ovation and Derby perennial ryegrasses 15% Victa Kentucky bluegrass	Low maintenance turf areas
Veri-Green	Jonathan Green	60% Annual ryegrass 20% Linn perennial ryegrass 10% Kentucky bluegrass 10% creeping red fescue	Bare spots Roughs
Winter Turf I	O.M. Scott	90% blend of Loretta, Derby, Ovation and Victa perennial ryegrasses 10% Kentucky bluegrass	Overseeding of Bermudagrass
Winter Turf V	O.M. Scott	85% Loretta and Ovation perennial ryegrasses and 15% Sabre poa trivialis	Overseeding

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- ☐ Flyer Creeping Red Fescue
- ☐ Pebble Beach Perennial Ryegrass
- ☐ Sunrise 246 Perennial Ryegrass
- ☐ Huntsville Bluegrass
- ☐ Chateau Bluegrass
- ☐ Cheyenne Bermuda (1990)
- ☐ Triple Play Mixture

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Prelude
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PERENNIAL RYEGRASS
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